

State Science Council Minutes
Meeting held December 12, 2001
Held in room 223 at State Capitol
2:00-4:00 p.m.

Those in attendance:

Terri Elder Hale	MESA/STEP
Rick Allis	Utah Geological Survey
Michael Brehm	Brehm Environmental, LLC
Troy Takach	Parvus Corp.
Gary Hooper	BYU
Dennis Sauer	Interim Science Advisor
Paul Rasmussen	USU, for Brent Miller
Sue Johnson	Futura Industries
Pete Doenges	Evans and Sutherland
Greg Critchfield	Myriad Genetics
Val Finlayson	Utah Partnership
Terrence Chatwin	Utah Engineering Experiment Station
Shari Kille	Interim Director, Centers of Excellence
Heather Greenwall	

Welcome by Gary Hooper. The October minutes and the April 25 minutes need to be approved. The April minutes will need to be reviewed and a determination made as to why they have not been approved. This will be done at the next meeting.

Motion to approve October minutes as written made by Michael Brehm.
Second by Sue Johnson
All in favor.

ACTION-Determine April 25, 2001 minutes are still on the agenda. Add on to next meeting's agenda.

Miscellaneous Items-

- **Introduction of the Interim Director of the Centers of Excellence Program-**
Shari Kille is the interim Director of the Centers of Excellence program. Her contact information is skille@dc.ed.state.ut.us or 538-8783.

Annual Report for SAC

- Proposed approval of this year's report with the agreement that the SAC will revisit the format of the Annual Report for next year.

Motion to approve the 2000-2001 Annual Report made by Troy Takach
Second made by Pete Doenges.
All in favor

- **Status of the Science Advisor-**Formal announcement of the Interim Science Advisor, Dennis Sauer. Dr. Winters resigned her position and has taken a position with Battelle, here in the State of Utah. For the record:

We, [the SAC], greatly appreciate and indicate that there has been a roll call taken and that we [SAC] unanimously affirm our appreciation for Suzanne Winters and what she has done for and with the Science Council.

Unanimously moved and approved.

Hold next meeting on February 27, 2002. None opposed.

Committee Reports-

Val Finlayson, Utah Partnership- Val and Pete are co-chairs of the K-12 Task group of the UTA, in place of Suzanne Winters. There are a number of groups working on research, technology, science and education. The Utah Partnership has a research committee, looks at a lot of the same issues the SAC does. Gary suggested a meeting between the two. Pres. Machen chairs that committee with Germaine Ward to be scheduled after the Olympics.

Report on K-12 - Met with David Pershing and Suzanne Winters. The Education Task Group with the UTA was divided into 3 functions that should be addressed. One -Higher Education, two - Entrepreneurship, and three - K-12 plan. The goals are to raise awareness of Science, Math, Engineering, and Technology, and to help boost student outflows from K-12 into industry and college programs in support the Governor's goal of 2x/3x engineering graduates in 5/8 years. The K-12 sub-Committee has been quite active. There is a plan out to the K-12 committee now for review on Students and Curricula recommendations.

The second function within K-12 is Teachers, working closely with the new Educator Development Committee reporting to the Board of Education and Board of Regents, to make sure they look at science as part of the educator program. One targeted program works with Colleges and High Schools to get students the HS Diploma and Associates Degree at the same time. Rich Kendall is the new Education Deputy, and is forging projects that can assist in all three K-12 areas.

The third function in K-12 recommendations is Programs, where the New Century High Schools proposed by Rich Kendell is one example (K-12 feedback on NCHS to be provided), and simulation-based learning programs are another. Work on 3 projects - One is the special schools - another is expansion of the educational technology - and a third is Internet courses and improved student achievement.

A document of complete recommendations will be prepared by K-12 on how to better prepare students, teachers and the special schools. K-12 will also consider the SAC white papers for feedback, and hopefully incorporate key related recommendations.

Gary Hooper, Technology Transfer - Gary Hooper is a member of this committee. Have had two meetings. The interim report is being sent to the Gov's office.

ACTION-Set up meeting between Utah Partnership and SAC in February

Distributed copy of CITES, Center for Improvement of Teacher Education and Schooling.

ACTION-UEES attend and give presentation

**Reports by Troy Takach
CAC and the Marketing plan.**

CAC- TT attended the meeting held on Nov 15 in Tooele. FAIR attended, Sierra Club and Today Show were there, EG & G Management and employees. September 11 was discussed and the fact that military has gas masks, but citizens do not. Next meeting held January 17 at the DEQ building.

Marketing plan- handed out document of draft resolution.

This is a policy document, to raise awareness of SAC. Create a sub-committee for this marketing plan to take action.

ACTION-Work on budget, find out information about finances.

Adhoc group-Gary Lund, Troy Takach, Pete Doenges.

Will approach Ron Pugmire. Can go outside of this group to be on committee.

Other comments? Change the first Whereas to include “increased awareness and visibility of council activities and achievements on Utah Citizens.” Insert modifier of “key” S & T issues facing the state.

Please get any other comments to Troy regarding editing.

Motion approving the resolution with editing that was suggested and any other comments.

Motion made and second. All in favor.

Mike Brehm, Governor’s Medal

Mike Brehm has been in charge of this.

The deadline for receiving nominations is January 28, 2002. Created a new category called “Special Category.”

Possibly place an ad in the newspaper and trade journals. Get a newspaper article done, something in Digital IQ. Need to be able to identify the past recipients at the Capital, with recognition by the Gov. Need a box, list the Gov then the recipient.

ACTION- Place some ads. Look at budget, get something placed for this year. Any information on some publications that are going out, include an announcement.

Formalize a committee to review the applicants. We need some volunteers to review:

Gary Hooper
Susan Johnson

Mike Brehm
Troy Takach

Rick Allis

ACTION-Contact media relations specialist of DCED to submit a press release.

Pete Doenges, Simulation High School Project

An outline was distributed. Recommend to keep this initiative moving and to get collaboration with the UTA Education Task Group to review and critically comment. The draft of the strategy paper is focusing on curriculum topics, sponsors, physical venues, more concrete information. The curriculum concept table was borrowed from a High School in Central Florida. Looking for general feedback from SAC. Need to find ways to improve education in this state. Need to request the K-12 task group, review this initiative and give feedback. Any specific feedback, please contact Pete Doenges.

Resolution: solicit review and feedback to make recommendations supporting or altering the concepts discussed. Limit the period to be concluded.

Resolution: to link this initiative with Rich Kendall and such other planners as we can find in the education department to provide a place for this activity and provide closure for it.

Resolution: Executive committee to meet with the Governor to come up with concrete plans about program management issues that is acceptable to the committee, describe in writing and verbally.

ACTION: Examine when to meet with Governor, met last December, Executive Committee get together with Dennis, as quickly as can be worked out during the holiday season. Share action items between SAC members.

Agenda item: Give a quick overview at our next meeting for high school simulation project.

Adjourned at 4:00 p.m.